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(54) THERMALLY WELDABLE LACTIC ACID POLYMER LAMINATE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a good heat resistivity, sealing strength, and a biodegradation property by having a foundation layer consisting of a crystallized lactic acid polymer and a seal layer consisting of noncrystal lactic polymer having a lower melting point than the lactic polymer.

SOLUTION: Thermally weldable lactic acid polymer laminate has a bare layer I consisting of crystallized lactic polymer A being a layer of realizing a heat resistive or heat molding property and a seal layer II consisting of a noncrystal lactic acid polymer B to be thermally welded by a heat sealing method or the like and having a lower melting point of the lactic acid polymer A. The crystallized lactic acid polymer A is such that a polyester constitutional unit being dehydrated-and-condensed with dicarbonic acid and diol and/or a 3-60wt.% polyether constitutional unit being dehydrated-and-condensed with dicarbonic acid and polyether polyol are contained in a constitutional unit being dehydrated-and-condensed with polylactic acid or lactic acid at a melting point of 120°C or higher.

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